

## LOGLINE HAUL LOG

This log contains detailed questions about the setting and hauling of gear, and the haul's catch. Complete a new log after each hauling of gear. If you feel that you cannot go on deck for weather related safety reasons, record as much information on this log as possible (*i.e.* Header Information, weather, depths, times, positions, *etc.*).

If the gear is set, and only partially hauled, complete a Longline Haul Log with the Species Information section completed as fully as possible, and "Haul Aborted" recorded following the last species record. An aborted haul should be recorded as observed, whenever it fits the definition of an observed haul (F).

Any pelagic species (*i.e.* swordfish, billfish, tuna, bonito, sharks, rays, *etc.*), sturgeons, rays or tagged fish caught in this haul must be recorded on an Individual Animal Log to provide information on each animal caught by the gear. This Longline Haul Log will serve as a cover sheet for any Individual Animal Log(s) corresponding to this haul that may follow. In the **pelagic longline fishery**, most animals caught by this gear will be recorded on an Individual Animal Log. Only dressed parts of pelagic species, such as shark fins and fish chunks, belong in the Species Information section of this log. Also in the pelagic longline fishery, debris will be recorded on the Individual Animal Log. In the **demersal longline fishery** catches of groundfish species and debris will be recorded in the species section of this log. For all fisheries, incidental catches of marine mammals, sea turtles, and sea birds must be recorded on a Marine Mammal, Sea Turtle, and Sea Bird Incidental Take Log. See Appendix R. Species List and Corresponding Logs for a list of species and the log(s) on which to record them.

If rod and reel or other line gears are used, the following fields on the Longline Haul Log may be omitted: MAINLINE LENGTH (#6), ITEMS USED: RATTLERS and SURFACE LIGHTS (#9), NUMBER OF ITEMS USED: RATTLERS and SURFACE LIGHTS (#10), NUMBER OF HOOKS TENDED (#14) and NUMBER OF HOOKS REBAITED (#15).

If there are insufficient lines on one form for all species caught in this haul, continue listing species on an additional Longline Haul Log, making sure to complete all of the Header Information (A-C) and Haul

Number (E).

If information is unavailable or unknown to any question except a "No/Yes" question, record a dash (-) in the field. If the answer to a "No/Yes" question is unknown, record a "9" on the line next to the code for "No" to indicate that a field was not skipped, but the answer is unknown. If a field relates to a question to which you previously answered "No", leave the field blank.

Become familiar with the following definitions.

### DEFINITIONS

**Set Begin:** First component of longline/line gear deployed.

**Set End:** Longline/line gear secured to high flyer or anchoring device, or longline/line gear completely deployed.

**Haul Begin:** Hauling equipment put into gear or retrieval of gear commences.

**Haul End:** Longline/line gear completely retrieved and aboard vessel.

### INSTRUCTIONS

For instructions on completing fields **A-W**, refer to the Common Haul Log Data section of the NEFSC Observer Program Manual.

**1. GEAR NUMBER:** Record the gear number used for this haul as uniquely identified on the appropriate Longline Trawl Gear Characteristics Log.

**2. GEAR CONDITION:** Indicate the condition of the gear at haulback, even if this was the condition of the gear when set, by recording the most appropriate two digit code listed below, and in Appendix J. Gear Condition Codes:

- 00 = Unknown.
- 61 = No gear damage, or only a few hooks missing.
- 62 = Less than 50% of gear fouled due to weather/oceanic conditions. Gear tangled, spun up or otherwise impaired the

- fishability of the gear.
- 63 = Greater than 50% of gear fouled due to weather/oceanic conditions. Gear tangled, spun up or otherwise impaired the fishability of the gear.
  - 64 = Less than 50% of hooks missing.
  - 65 = Greater than 50% of hooks missing.
  - 66 = Parted off, no damage.
  - 67 = Parted off, less than 50% gear damaged.
  - 68 = Gear completely damaged, or completely lost.
  - 99 = Other, specify in COMMENTS.

### SET/HAUL INFORMATION

**NOTE:** Definitions of Set/Haul Begin/End may be found in the introduction.

**3. BEGIN/END DATE:** Record the month, day, and year, based on local time, that this set began and ended. Record the month, day, and year, based on local time, that this haul began and ended.

**4. BEGIN/END TIME:** Record the local time, using the 24 hour clock (0000-2359), that this set began and ended, *i.e.* when the first component of the longline/line gear is deployed, (Set Begin), and when the longline/line gear is secured to the high flyer or anchoring device, or completely deployed (Set End). Record the local time, using the 24 hour clock (0000-2359), that this haul began and ended, *i.e.* when the hauling equipment is put into gear or retrieval of gear commences (Haul Begin), and when the longline/line gear is completely retrieved and aboard the vessel (Haul End).

**NOTE:** If rod and reel or other line gears are used, the set times recorded should reflect when the gear is first deployed and fishing activity starts. The haul times recorded should reflect when the gear is removed from the water and fishing activity ceases. Within these times the gear may periodically be removed from the water briefly to remove a fish, rebait the line, check the line for presence of fish, *etc.*

**5. WATER TEMPERATURE:** Record, to the nearest tenth of a degree Fahrenheit, the surface water temperature when this set began and ended. Record, to the

nearest tenth of a degree Fahrenheit, the surface water temperature when this haul began and ended.

**NOTE:** Use a "ScoopMaster" thermometer to obtain these temperatures.

**NOTE:** If these temperatures are obtained in Celsius, use Appendix Q. Conversion Tables to convert them to Fahrenheit.

### ADDITIONAL HAUL INFORMATION

**6. MAINLINE LENGTH:** Record, to the nearest tenth of a nautical mile, the length of the mainline for this gear. This should account for all of the tubs that are tied together on that particular "string" of gear.

**NOTE:** One nautical mile = 6,080 feet.

**NOTE:** For rod and reel and other line gears, record a dash (-) in this field.

**7. SET SPEED:** Record, to the nearest tenth of a knot, the average vessel setting speed, over the bottom, for this haul. This information may be obtained from the captain.

**NOTE:** For gears that are trolled, record the trolling speed of the vessel. If rod and reel or handline gear is used but not trolled, record a dash.

**8. SET METHOD:** Record the method that best describes the manner in which the gear for this haul was set by placing an "X" next to the appropriate code:

- 00 = Unknown.
- 01 = Temperature.
- 02 = Bottom Contours (*i.e.* depth).
- 03 = Compass/ Loran.
- 04 = Tide/ Current.
- 05 = Visual (*i.e.* echosounder, surface feeding).
- 06 = Eddy.
- 98 = Mixed, (more than one code applies) record all set methods on line 8A.
- 99 = Other, record the set method(s) on line 8A.

### ADDITIONAL GEAR ITEMS

**9. ITEMS USED?:** Record whether each piece of equipment listed below is used on the gear in this haul by placing an "X" next to the appropriate code:

- 0 = No.
- 1 = Yes.

**Equipment:**

Rattlers.

Surface Lights.

Additional Line Weights.

**NOTE:** For rod and reel and other line gears, record a dash (-) in the fields relating to Rattlers and Surface Lights.

**10. NUMBER:** Record the number of each piece of equipment used on the gear in this haul.

**NOTE:** For rod and reel and other line gears, record a dash (-) in the fields relating to Rattlers and Surface Lights.

**11. WEIGHT OF ADDITIONAL LINE WEIGHTS:** Record, in whole pounds, the **total** weight of any additional line weights attached to the mainline of this gear for this haul.

**NUMBER OF HOOKS**

**12. SET:** Record the **total** number of hooks that are used for this set.

**13. LOST:** Record the **total** number of hooks that are lost from this set. If this number differs from NUMBER OF HOOKS SET minus NUMBER OF HOOKS HAULED, then record the reason(s) in COMMENTS.

**NOTE:** Do not include the number of hooks cut off by the crew here, but in COMMENTS.

**14. TENDED:** Record the number of hooks pulled during "hotlining" (vessel runs the line and only pulls hooks where floats are submerged). If none are tended record a zero.

**NOTE:** For rod and reel and other line gears, record a dash (-) in this field.

**15. REBAITED:** Record the number of hooks pulled, rebaited and reset. If none are rebaited record a zero.

**NOTE:** For rod and reel and other line gears, record a dash (-) in this field.

**BAIT**

**16. POUNDS:** Record, in whole pounds, the amount of bait used for this haul, for up to three major baits.

This information may be obtained from the captain.

**NOTE:** If artificial bait is used, record a dash (-) in this field.

**17. KIND:** Indicate the kind of bait used for this haul, for up to three major baits, by recording the most appropriate two digit code listed below, and in Appendix O. Bait Codes:

- 00 = Unknown.
- 01 = Mackerel.
- 02 = Herring.
- 03 = Squid.
- 04 = Artificial, record a dash (-) for POUNDS (#16), BAIT TYPE (#18), and BAIT CONDITION (#19).
- 05 = Redfish.
- 06 = Sardine.
- 07 = Scad.
- 09 = Clams
- 99 = Other, record the bait kind in COMMENTS.

**NOTE:** Artificial bait includes lures and jigs, with or without teasers.

**18. TYPE:** Indicate the type of bait used for this haul, for up to three major baits, by recording the most appropriate one digit code listed below, and in Appendix O. Bait Codes:

- 0 = Unknown.
- 1 = Whole.
- 2 = Cut.
- 3 = Live.
- 9 = Other, record the bait type in COMMENTS.

Example: Fish racks, frames or bellies are "Cut" (2), record cut type in COMMENTS.

**19. CONDITION:** Indicate the condition of the bait used for this haul, for up to three major baits, by recording the most appropriate one digit code listed below, and in Appendix O. Bait Codes:

- 0 = Unknown.
- 1 = Previously Frozen.
- 2 = Fresh.
- 3 = Salted.
- 6 = Frozen.
- 7 = Semi-frozen.
- 8 = Combination, record all bait conditions in COMMENTS.

9 = Other, record the bait condition in COMMENTS.

Example: Frozen and salted bait is “Combination” (8).

**20. DEPTH RANGE, HOOKS:** Record, in whole fathoms, the range of depths (shallowest to deepest) from the surface, which the hooks fish for this haul. This depth is calculated by obtaining the sum of the dropline length, the gangion length, the leader length, and the shank length, *i.e.* the distance from the surface of the water to the bottom of the hook.

**NOTE:** In the demersal longline fishery these values should reflect the bottom depth and may only consist of one depth value (*i.e.* recorded as 20 - 20 fm).

## COMMENTS

Record any additional information regarding this haul, *i.e.* unusual species caught, *etc.* If more room is needed, use the back of this log, making sure to write “See Back” on the front of the log. Reference each comment with its corresponding field name.